

Cyrel Digang

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EDUCATION

Polytechnic University of the Philippines

Bachelor of Science in Computer Science

Cum Laude

Manila, Philippines

September 17, 2025

THESIS

iSmishU: Smishing Detection System for Code-mixed Messages Using Transfer Learning of XLM-RoBERTa

Role: Writer and Tool Developer

Achievement: Finalist in the 4th PUP Research Pitching Competition

A smishing detection system tailored to Taglish, leveraging XLM-RoBERTa, a multilingual language model known for its ability to analyze message content. By incorporating both text analysis of the fine-tuned XLM-RoBERTa and URL verification through the VirusTotal API, the system aims to detect smishing messages, or "ham" (non-smishing) messages, with high accuracy.

EXPERIENCE

QX Information Technology Corp.

Position: Intern

August – September, 2024

I test, review, and identify bugs in the company's software product. I also attend client meetings and create reports based on those discussions. Additionally, I handle front-end programming tasks for the company's product website.

TESDA - Supervised Industry Learning (SIL) – [Spring Valley]

Position: Trainee

September 30 – October 06, 2025

I participated in training focused on Amazon Web Services (AWS) Cloud fundamentals and completed the AWS Cloud Practitioner training and earned the corresponding digital badge.

PROJECTS

Music Sound Feature Prediction

Role: Programmer/Developer

This project explores the prediction and visualization of music sound features using a dataset sourced from "Spotify". It applies data analysis and machine learning techniques to identify patterns in audio characteristics such as tempo, energy, danceability, and more.

SmartStore

Role: Programmer/Developer

SmartStore is an innovative inventory management system tailored for gadget store owners. With its comprehensive functionality, SmartStore facilitates the essential CRUD (Create, Read, Update, Delete) operations seamlessly. Owners can effortlessly add, modify, and locate information while effectively monitoring stock levels. Developed using Java programming language and powered by MariaDB.

CVuild

Role: Programmer/Developer

CVuild simplifies resume building with its user-friendly platform. Users input their details or answer questions, and the software generates a polished resume in the Harvard and Goldman Sachs template style. Developed in Java and powered by MariaDB.

Training/Certificates

TESDA Java Training	<ul style="list-style-type: none">• Certificate pending
AWS Cloud Quest: Cloud Practitioner - Training Badge	<ul style="list-style-type: none">• Open Certificate
Google Cloud Skills Boost- Professional Machine Learning Engineer Study Guide	<ul style="list-style-type: none">• Open Certificate
Google Cloud Skills Boost - Introduction to Generative AI	<ul style="list-style-type: none">• Open Certificate
Google Cloud Skills Boost - Introduction to Large Language Models	<ul style="list-style-type: none">• Open Certificate
Google Cloud Skills Boost - Introduction to Responsible AI	<ul style="list-style-type: none">• Open Certificate
Google Cloud Skills Boost - Prompt Design in Vertex AI	<ul style="list-style-type: none">• Open Certificate
Google Cloud Skills Boost - Responsible AI: Applying AI Principles with Google	<ul style="list-style-type: none">• Open Certificate

ORGANIZATIONS

Google Developer Student Club - PUP Software Development Team	Member 2023-2024
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Google Developer Student Clubs are university-based community groups for students interested in Google developer technologies.

SKILLS & INTERESTS

Technical: Programming in C, Java and Python, Web development, MySQL and MariaDB, Git version control, AWS Cloud

Language: Proficient in Filipino and English

Interests: Software Development, Database Management, Data Science, AI, NLP and Machine Learning